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United States Patent [19]

Hammerton et al.

[11] **Patent Number:** **5,266,657**[45] **Date of Patent:** **Nov. 30, 1993**[54] **MONOCARBOXYLIC ACID POWER
COATING CURING SYSTEMS**[75] **Inventors:** **David A. Hammerton**, Virginia
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Philadelphia, Pa.[21] **Appl. No.:** **706,816**[22] **Filed:** **May 29, 1991**[51] **Int. Cl.⁵** **C08F 8/00**[52] **U.S. Cl.** **525/437; 525/448**[58] **Field of Search** **525/437, 448**[56] **References Cited****U.S. PATENT DOCUMENTS**

4,727,111 2/1988 Pettit, Jr. et al. 525/190

Primary Examiner—Bernard Lipman*Attorney, Agent, or Firm*—Marvin J. Powell[57] **ABSTRACT**

A thermosetting powder coating composition having improved optical and weathering properties, such as gloss, orange peel, and Distinctness of Image (DOI), while maintaining other physical properties such as flexibility, durability, solvent and corrosive resistance, which comprises a reactable mixture of a carboxylic acid group-containing polyester, a monocarboxylic acid group-containing material and beta-hydroxyalkylamide curing agent.

8 Claims, No Drawings